

IN THE CLAIMS:

The claims are as follows:

1. (Previously Presented) A method for downloading a document from a server computer to a client computer, said method comprising the steps of:
 - repackaging scripts in a document program at the server such that scripts are in a program location no earlier than the program location of a first corresponding data element;
 - downloading the repackaged document program to said client;
 - rendering said repackaged document at said client as it arrives until complete;
 - in parallel with said rendering step, scheduling execution of said scripts by said client to validate corresponding data elements no sooner than said step of rendering; and
 - inputting user data for said document at said client as said step of rendering occurs.
2. (Previously Presented) The method of claim 1, further comprising validating the rendered document once completely rendered.
3. (Cancelled).
4. (Previously Presented) The method of claim 1, further comprising said client validating the input user data.

5. (Previously Presented) The method of claim 1, wherein said repackaging step packages all scripts required by the first data element whose validation requires those scripts.
6. (Previously Presented) The method of claim 1, wherein said scheduling step executes a script as it is downloaded from said server.
7. (Previously Presented) The method of claim 1, wherein said scheduling step executes a script once all data elements relying on said script have been downloaded from said server.
8. (Previously Presented) A method for downloading a document from a server computer to a client computer, said method comprising the steps of:
 - repackaging scripts in a document program at the server such that scripts are in a program location no earlier than the program location of a first corresponding data element;
 - downloading the repackaged document program to said client;
 - rendering said repackaged document at said client as it arrives until complete;
 - and
 - in parallel with said rendering step, scheduling execution of said scripts by said client to validate corresponding data elements no sooner than said step of rendering,

wherein said scheduling step executes a script for an n^{th} data element as an $n+1^{\text{th}}$ data element is being downloaded.

9. (Previously Presented) A computer system for downloading a document comprising:

a server computer operable to repack a document program at the server such that scripts are in a program location no earlier than a first corresponding data element;

a client computer operable to download the repackaged document program, render said document as it arrives until complete, and, in parallel with the rendering, schedule execution of said scripts to validate corresponding data elements no sooner than rendering; and

a user data interface to said client computer for data input to said document as rendering occurs.

10. (Previously Presented) The computer system of claim 9, wherein said client computer validates said rendered document once completely rendered.

11. (Cancelled).

12. (Previously Presented) The computer system of claim 9, wherein said client computer validates said input user data.

13. (Previously Presented) The computer system of claim 9, wherein said server computer repackages all scripts required by the first data element whose validation requires those scripts.

14. (Previously Presented) The computer system of claim 9, wherein said client computer schedules execution of a script as it is downloaded from said server computer.

15. (Previously Presented) The computer system of claim 9, wherein said client computer schedules execution of a script once all data elements relying on said script have been downloaded from said server computer.

16. (Previously Presented) A computer system for downloading a document comprising:

a server computer operable to repackage a document program at the server such that scripts are in a program location no earlier than a first corresponding data element; and

a client computer operable to download the repackaged document program, render said document as it arrives until complete, and, in parallel with the rendering, schedule execution of said scripts to validate corresponding data elements no sooner than rendering,

wherein said client computer schedules execution of a script for an n^{th} data element as an $n+1^{\text{th}}$ data element is being downloaded from said server computer.

17. (Previously Presented) A client computer for downloading from a server computer a repackaged document having scripts that are in a program location no earlier than the location of a first corresponding data element, said client computer being operable to render said document as it arrives until complete, and, in parallel with the rendering, schedule execution of said scripts to validate corresponding data elements no earlier than rendering, and

a user data interface for data input to said document as rendering occurs.

18. (Previously Presented) The client computer of claim 17, wherein said rendered document is validated once completely rendered.

19. (Cancelled).

20. (Previously Presented) The client computer of claim 17, wherein said input user data is validated.

21. (Previously Presented) The client computer of claim 17, wherein execution of a script is scheduled as it is downloaded from said server computer.

22. (Previously Presented) The client computer of claim 17, wherein execution of a script is scheduled once all data elements relying on said script have been downloaded from said server computer.

23. (Previously Presented) A client computer for downloading from a server computer a repackaged document having scripts that are in a program location no earlier than the location of a first corresponding data element, said client computer being operable to render said document as it arrives until complete, and, in parallel with the rendering, schedule execution of said scripts to validate corresponding data elements no earlier than rendering,

wherein execution of a script is scheduled for an n^{th} data element as an $n+1^{\text{th}}$ data element is being downloaded from said server computer.

24-25. (Cancelled).

26. (Previously Presented) A computer program product comprising a computer program recorded on a storage medium, said program comprising:

computer program element means for repackaging a document program at a server computer such that scripts are in a program location no earlier than a location of a first corresponding data element;

computer program element means for downloading the repackaged document program to a client computer;

computer program element means for rendering said document at said client computer as it arrives until complete;

computer program element means for, in parallel with execution of said program element for said rendering, scheduling execution of said scripts by said client computer to validate corresponding data elements no sooner than rendering, and

computer program element means for inputting user data for said document at said client as said step of rendering occurs.